

Title (en)

METHOD AND DEVICE FOR FILE STORAGE

Title (de)

VERFAHREN UND VORRICHTUNG FÜR DATEISPEICHERUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR LA MÉMORISATION DE FICHIER

Publication

**EP 3522040 A4 20190821 (EN)**

Application

**EP 17854689 A 20170913**

Priority

- CN 201610856834 A 20160928
- CN 2017101642 W 20170913

Abstract (en)

[origin: EP3522040A1] A file storage method and device are provided. The method includes: receiving a storage request for a to-be-stored file (S101); determining a target key for storing the to-be-stored file (S102); obtaining to-be-stored metadata of the to-be-stored file according to the determined target key (S103), wherein the to-be-stored metadata includes: fixed sub-metadata and variable sub-metadata; and storing the to-be-stored metadata in a metadata database, storing the fixed sub-metadata in a name of the determined target key, storing the variable sub-metadata in a preset storage area corresponding to the determined target key, and storing the to-be-stored file in a value of the determined target key (S104). By applying the file storage and device, the recovery of metadata is effectively ensured, while a storage space of a storage terminal is saved.

IPC 8 full level

**G06F 16/10** (2019.01)

CPC (source: CN EP US)

**G06F 3/064** (2013.01 - EP US); **G06F 3/067** (2013.01 - US); **G06F 3/0689** (2013.01 - EP); **G06F 11/1435** (2013.01 - EP US); **G06F 11/1446** (2013.01 - EP); **G06F 11/1469** (2013.01 - CN US); **G06F 16/10** (2018.12 - US); **G06F 16/113** (2018.12 - CN EP)

Citation (search report)

- [X] CN 104408091 A 20150311 - UNIV TSINGHUA
- [A] US 2006129614 A1 20060615 - KIM HONG Y [KR], et al
- [A] JAN STENDER ET AL: "BabuDB: Fast and Efficient File System Metadata Storage", STORAGE NETWORK ARCHITECTURE AND PARALLEL I/O (SNAPI), 2010 INTERNATIONAL WORKSHOP ON, IEEE, PISCATAWAY, NJ, USA, 3 May 2010 (2010-05-03), pages 51 - 58, XP031752981, ISBN: 978-1-4244-6810-2
- See references of WO 2018059239A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3522040 A1 20190807**; **EP 3522040 A4 20190821**; **EP 3522040 B1 20220112**; CN 107870940 A 20180403; CN 107870940 B 20210618; US 10664349 B2 20200526; US 2020034238 A1 20200130; WO 2018059239 A1 20180405

DOCDB simple family (application)

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